Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/03/2018 10:42 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/26/2018 11:27 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 62096, Expiration Date: 07/31/2018
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124837	-1	1.46	124658	1.43
Blue	F	SSC	125000	123524	-2	3.30	124032	3.01
Blue	E	FITC	23158	22203	-5	2.66	1029	11.17
Blue	D	PE	31171	30347	-3	2.15	1150	10.17
Blue	B	PerCP-Cy5-5	59762	58157	-3	4.02	1469	17.93
Blue	A	PE-Cy7	57533	56792	-2	6.34	747	38.04
Red	C	APC	69353	68319	-2	2.62	3468	9.58
Red	A	APC-Cy7	66644	64847	-3	3.47	1150	11.49
Violet	B	V450	16327	15622	-5	3.36	849	9.02
Violet	A	V500	62036	60680	-3	2.92	2851	6.14

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22710	3.57	609	-7	N/A	N/A	Pass
Blue	F	SSC	56799	1.28	558	0	N/A	N/A	Pass
Blue	E	FITC	117	41.08	551	-4	0.0185	133	Pass
Blue	D	PE	196	37.33	554	-3	0.1452	228	Pass
Blue	B	PerCP-Cy5-5	242	46.55	645	-4	0.0086	68	Pass
Blue	A	PE-Cy7	132	97.79	705	-4	0.0107	23	Pass
Red	C	APC	501	25.30	607	-3	0.0173	2	Pass
Red	A	APC-Cy7	248	27.35	581	-6	0.0041	798	Pass
Violet	B	V450	104	43.30	486	-6	0.0416	2046	Pass
Violet	A	V500	253	20.49	506	-5	0.0127	283	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.68	-31.20	0.92
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.41
Red	17.57	13.60 - 20.40	N/A	N/A	31.10	31.60	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10737

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments